

/BY CHARLENE BROWN

TIME
PLUS
ENERGY
EQUALS
BITCOIN



The Genesis Block, launched around January 3, 2009, has not stopped running since. Unlike stock exchanges that open and close each day, bitcoin never closes. Unlike absentee banks with holidays and weekends, bitcoin takes no personal-time-off.

Since 2009, that single block of 50 bitcoins has given root to more than 19,000,000 offspring, without a pause. Making these babies consumes certain amount of energy. Hence, the bitcoin protocol is build on Proof-of-Work.

Imagine a state where every electron illuminating every diode at the speed of light resembles the heartbeat of every living being.

Bitcoins are rewarded to the computing device that completes a very complex equation within a given timeframe.

Each device running the bitcoin node or that's putting sweat equity, so to speak, on the blockchain consumes electricity in performing the task of mining and sustaining the network. To put it in simple mathematical language, I'm testing this hypothesis in my lectures at Utah Valley University. I implore other experts to put this equation to test: time + energy = bitcoin. Same as $T+E=B$

Besides Satoshi Nakamoto himself, MICHAEL DUNWORTH's article in Bitcoin Magazine, March 3, 2022, best made the connection between bitcoin, time and energy.

His dissertation: BITCOIN IS TIME TRAVELING ENERGY, he asserts, "Spending bitcoin into the future transfers incredible amounts of energy over time as the amount of energy per satoshi increases," as his subtitle. Let's borrow excerpts from Dunworth's very lengthy piece. Here goes it...

"We're sending bitcoin into the future, from the past, in an effort to preserve the future. Kind of the opposite to fossil fuels. Because we're giving our fossil (the timelocked sats) to the future, on purpose. Like a map to an oil field that is thousands of years old, or buried treasure, this is no different.

"When more energy is introduced to the system (this is done by "mining"), the system rewards that behavior with a predefined amount based on the block height which was mined.

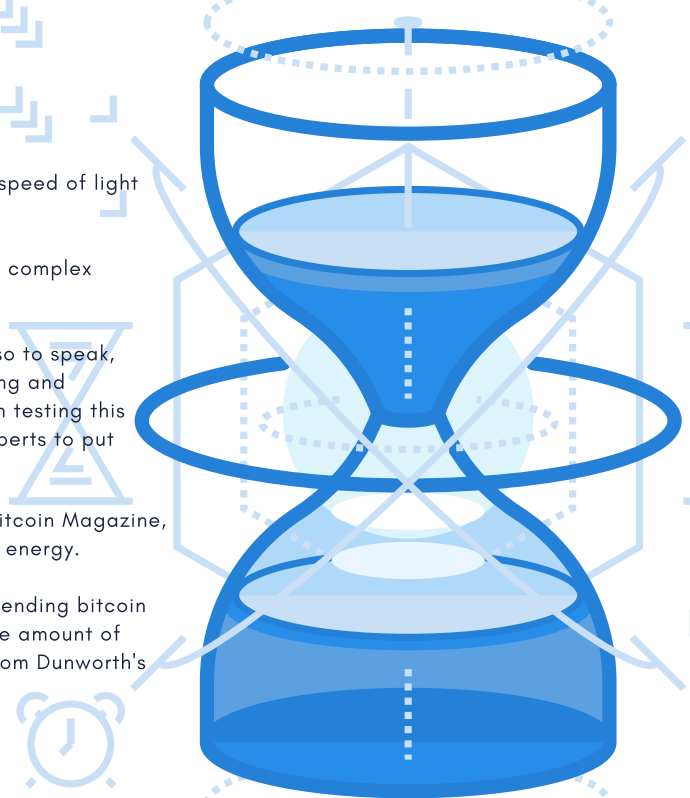
Think about how valuable a single satoshi will be in the future when it is the sole block reward. It will represent an absolutely gargantuan amount of energy.

Thinking about the amount of energy over time, we know that future blocks will carry more energy over time. If the network is valuable today for its immutability, then it will always be more valuable tomorrow if its immutability is unchanged.

The network will grow exponentially, and the amount of electricity represented by a satoshi will be almost all known usable energy known to humanity. An energy blackhole.

This is because the immutability of Bitcoin is a compounding property oriented solely around energy over time.

$$t + e = b$$



The block size, the total amount of bitcoin, and the issuance cycle are the three properties which never change. Additional upgrades that don't amend these properties preserve immutability and so should be possible.

If we know that something will exist at a point in the future, then we know it must exist the duration between now and that point in the future.

Mathematically, we're trying to come out the other side to a world where it is many years into the future when this block would occur. Looking a lot like a wormhole within a higher energy field.

The wormhole is opened using a cryptographic key, secured by the energy of the network, and not the obscurity of the key's attributes. This way, we avoid the necessity for it to be secured through obfuscation and behave the opposite. Meaning the more people that hold this key, the higher the probability for the network longevity it would result in, due to the amount of energy it accesses.

Having an energy system that is perpetually recycling based on the observed laws of thermodynamics in block collisions can be an energy preservation system. If something exists and is immutable, then it can be used for others as clues or pointers to our civilization."